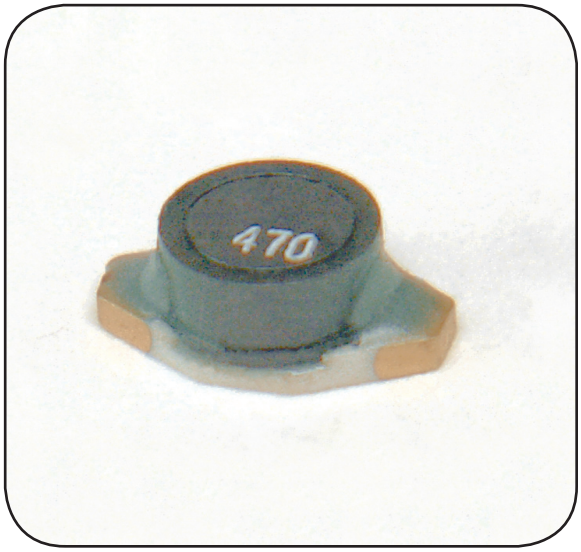
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# Surface Mount Power Inductors — LS1608 Series




## FEATURES

-Will Handle up to 3.0A
-Suitable for Pick and Place
-Withstands Solder Reflow
-High Performance Shielded Design

## APPLICATIONS

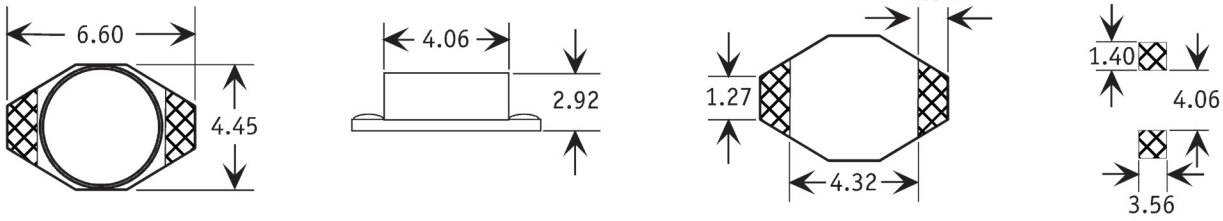
-Handhelld and PDA Applications
-DC/DC Converters
-Output Power Chokes
-Battery Powered or Low Voltage Applications

## PACKAGING

-Reel Diameter: 13"
-Reel Width: 16mm
-Pieces Per Reel: 2500

RoHS

## Mechanical




## Electrical Specifications

| Part Number | Inductance[1] (uH +/- 20%) | DCR max (Ω) | $I_{dc}$ max[2] (A) |
|---|---|---|---|
| LS1608-1R0-RM | 1.0 | 0.040 | 3.00 |
| LS1608-1R5-RM | 1.5 | 0.045 | 2.80 |
| LS1608-2R2-RM | 2.2 | 0.050 | 1.80 |
| LS1608-3R3-RM | 3.3 | 0.055 | 1.60 |
| LS1608-4R7-RM | 4.7 | 0.060 | 1.40 |
| LS1608-6R8-RM | 6.8 | 0.065 | 1.20 |
| LS1608-100-RM | 10 | 0.075 | 1.0 |
| LS1608-150-RM | 15 | 0.090 | 0.80 |
| LS1608-220-RM | 22 | 0.11 | 0.70 |
| LS1608-330-RM | 33 | 0.19 | 0.60 |
| LS1608-470-RM | 47 | 0.23 | 0.50 |
| LS1608-680-RM | 68 | 0.29 | 0.40 |
| LS1608-101-RM | 100 | 0.48 | 0.30 |
| LS1608-151-RM | 150 | 0.59 | 0.26 |
| LS1608-221-RM | 220 | 0.77 | 0.22 |
| LS1608-331-RM | 330 | 1.40 | 0.20 |
| LS1608-471-RM | 470 | 1.80 | 0.19 |
| LS1608-681-RM | 680 | 2.20 | 0.18 |
| LS1608-102-RM | 1,000 | 3.40 | 0.15 |
| LS1608-152-RM | 1,500 | 4.20 | 0.12 |
| LS1608-222-RM | 2,200 | 8.50 | 0.10 |
| LS1608-332-RM | 3,300 | 11.00 | 0.08 |
| LS1608-472-RM | 4,700 | 13.90 | 0.06 |
| LS1608-682-RM | 6,800 | 25.00 | 0.04 |
| LS1608-103-RM | 10,000 | 32.80 | 0.02 |

1. Tested @ 100kHz, 0.1Vrms.
2. Inductance drop = 10% at rated $I_{dc}$ max.
3. Operating temperature range: -40°C to +85°C.
4. Electrical specifications at 25°C.
5. Meets UL 94V-0.